

MARKH, A.T.

Changes in the color, aroma and flavor of fruit juices. Biokhim.
pl. i ovoshch. no.4:247-273 '58. (MIRA 11:10)

1. Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy
promyshlennosti Ministerstva kul'tury SSSR.
(Fruit juices)

MARKH, A.T. ; SKORIKOVA, Yu.G.

Change in the chemical composition of plums during drying.
Kons. i ov. prom. 13 no.10:22-24 0 '58. (MIRA 11:10)

1.Odesskiy tekhnologicheskiy institut pishchevoy i kholodil'noy
promyshlennosti.

(Plum—Drying)

MARKH, A.T.; SKORIKOVA, Yu.G.

Biochemical changes in apples during drying. Izv.vys.ucheb.zav.;
pishch.tekh. no.1:37-44 '59. (MIRA 12:6)

1. Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy
promyshlennosti, kafedra biokhimi i mikrobiologii.
(Apple--Drying)

MARKH, A.T.; SKORIKOVA, Yu.G.

Chemical changes in dried fruit during storage. Izv.vys.ucheb.
sav.; pishch.tekh. no.5:42-50 '59. (MIRA 13:4)

1. Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy
promyshlennosti, kafedra biokhimi i mikrobiologii.
(Fruit, Dried--Storage)

MARKH, A.T., doktor tekhn.nauk, prof.; FEL'DMAN, A.L. kand.tekhn.nauk, dotsent;
KAGAN, I.S.; kand.tekhn.nauk; KROTOV, Ye.G.; kand.tekhn.nauk; MARKH,
Z.A., starshiy nauchnyy sotrudnik; TERFILOVA, A.G., assistant

Factors responsible for the darkening of pickled pasteurized cabbage.
Trudy OTIPiKhP 9 no.2:3-19 '59. (MIRA 13:9)

1. Kafedra biokhimii i mikrobiologii Odesskogo tekhnologicheskogo
instituta pishchevoy i kholodil'noy promyshlennosti i Ukrainskiy
nauchno-issledovatel'skiy institut konservoy promyshlennosti.
(Cabbage)

MARKH, A.T., doktor tekhn.nauk, prof.; TSVILING, A.Ya., kand.tekhn.nauk,
dokt.sant.

Processes of melanoidin formation in tomato and grape juices. Trudy
OTIPIKhP 9 no.2:21-25 '59. (MIRA 13:9)

1. Kafedra biokhimi i mikrobiologii Odesskogo tekhnologicheskogo
instituta pishchevoy i kholodil'noy promyshlennosti.
(Tomato juice) (Grape juice) (Melanoidin)

MARKH, A.T., doktor tekhn.nauk, prof.; SHCHERBAKOVA, Ye.V., aspirant

Changes in the nutritive value of preserved grape juices. Trudy
OTIPIKhP 9 no.2:27-38 '69. (MIRA '13:9)
(Grape juice)

MARKH, A.T., doktor tekh.; SKORIKOVA, Yu.G., aspirant

Biochemical changes in plums during drying. Trudy OTIPKhP 9 no.2:
39-51 '59. (MIRA 13:9)

(Plum— Drying)

(Prune)

MARKH. A. T.: SKORIKOVA, Yu.G.

Some distinctive aspects of the drying of plums. Kons. i ov. prom.
14 no.7:11-13 JI '59. (MIRA 12:9)

1.Odesskiy tekhnologicheskii institut pishchevoy i kholdil'noy
promyshlennosti.

(Moldavia--Plum--Drying)

MARKH, A.T.; FEL'DMAN, A.L.; KAGAN, I.S.; LYASHCH, D.Yu.

Improving the quality of preserved cauliflower. Kons. i ov. prom.
14 no.9:15-17 S '59. (MIRA 12:12)

1.Odesskiy tekhnologicheskoy institut pishchevoy i kholodil'noy
promyshlennosti (for Markh, Fel'dman). 2.Ukrainskiy nauchno-
issledovatel'skiy institut konservnoy promyshlennosti (for Kagan,
Lyashch).

(Cauliflower--Preservation)

MARKH, A.T.; KROTOV, Ye.G.

Changes in the quality of tomato juice in long-term storage.
Kons.i ov prom. 15 no.2:9-11 F '60. (MIRA 13:5)

1. Odeskiy tekhnologicheskii institut pishchevoy i kholodil'noy
promyshlennosti.
(Tomato juice--Storage)

MARKH, A. T. (USSR)

"Biochemical Changes Associated with the Preservation of Vegetable Materials."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

MARKH, A.T.; KHARIN, Yu.S.

Exchange adsorption of potassium ion from the acid potassium tartrate solution on cation exchangers. Izv. vys. ucheb. zav.; pishch. tekhn. no.5:20-27 '61. (MIRA 15:1)

1. Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy promyshlennosti. Kafedra biokhimii i mikrobiologii.
(Potassium tartrate) (Ion exchange) (Adsorption)

MARKH, A.T.; FEL'DMAN, A.L.; GLOBINA, N.H.

Vitaminizing preserved juices and stewed fruits. Kons.i ov.prom.
16 no.1:7-9 Ja '61. (MIRA 13:12)

1. Odesskiy tekhnologicheskiy institut pishchevoy i kholodil'noy
promyshlennosti.
(Fruit--Preservation) (Vitamins)

MARKH, A.T.; ZOZULEVICH, B.V.; SKORIKOVA, Yu.G.; RASKINA, N.A.

Vitamin enrichment of food concentrates. Kons.i ov. prom. 16 no.2:
21-23 F '61. (MIRA 14:4)

1. Odesskiy tekhnologicheskiy institut pishchevoy i kholodil'noy
promyshlennosti.
(Food, Concentrated) (Vitamins)

MARKH, Aleksandr Tevevich; KRZHEVOVA, Ritta Vladimirovna; SABUROV,
N.V., prof., retsenzent; BELIKOVA, L.S., red.; SOKOLOVA,
I.A., tekhn. red.

[Chemical and technological control of the canning industry]
Khimiko-tekhnikeskii kontrol' konservnogo proizvodstva.
5. izd., perer. i dop. Moskva, Pishchepromizdat, 1962. 435 p.
(MIRA 15:10)
(Canning industry--Quality control)

MARKH, O.T.; FEL'DMAN, A.L.; ZOZULEVICH, B.V.

Vitaminization of some food products. Khar.prom. no.1:72-75
Ja-Mr '62. (MIRA 15:8)

1. Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy
promyshlennosti.
(Food additives) (Vitamins)

MARKH, A.T.; BEKIRSKI, D.M.

Presence of some vitamins in the peaches of the Armenian S.S.R.
and their modification in connection with preserving. Izv.vys.
ucheb.zav.; pishch.tekh. no.3:23-27 '62. (MIRA 15:7)

1. Nauchno-issledovatel'skiy institut vinogradarstva, vinodeliya
i prodovodstva Ministerstva sel'skogo khozyaystva Armyanskoy SSR,
laboratoriya otdela tekhnologii plodov.
(Armenia—Peach—Preservation) (Vitamins)

MARKH, A.T.; YURCHENKO, S.I.

Nitrogen compounds in sweet corn at its milky-wax phase of ripening.
Izv.vys.ucheb.zav.; pishch.tekh. no.5:10-13 '63. (MIRA 16:12)

1. Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy
promyshlennosti, kafedra biokhimi i mikrobiologii.

IL'CHENKO, Sergey Grigor'yevich, dots.; MARKH, Aleksandr Tevevich,
dots.; FAN-YUNG, Aleksandr Froymovich, dots.; FEDINA,
V.N., red.

[Technology of preservation and technochemical control]
Tekhnologiia konservirovaniia i tekhnokhimicheskii kont-
rol'. Izd. perer. i dop. Moskva, Pishchevaia promyshl.,
1964. 470 p. (MIRA 18:3)

MARKH, A.T.; YURCHENKO, S.I.

Amino acids in fresh and canned sweet corn and green peas.

Frikl. biokhim. i mikrobiol. 1 no.2:191-197 Mr-Ap '65.

(MIRA 18:11)

1. Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy
promyshlennosti.

MAUKH, A.T., KODENKO, S.T.

biochemical characteristics of quince fruits. Prikl. biokhim. i
mikrobiol. 1 no.4:380-386 JL-Ag '65.

(MIRA 18:11)

1. Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy
promyshlennosti.

MARKH. A.T.; AYZENBERG, V.Ya.

Metatartaric acid as stabilizer of potassium ~~itartrate~~ in
in grape juice. Kons. 1 ov. prom. 19 no.1:10-14 Ja '64.

(MIRA 17:2)

1. Odesskiy tekhnologicheskiy institut pishchevoy i kholodil'noy
promyshlennosti (for Markh). 2. Yerevenskiy nauchno-issledovatel'-
skoy institut vinogradarstva, vinodeliya i plodovodstva (for
Ayzenberg).

MARKH, A. T.; KOZENKO, S. I.

Chemical and biochemical characteristics of quince fruits. *Izv. vys. ucheb. zav.; pishch. tekhn.* no. 3:24-27 '63. (MIRA 16:8)

1. Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy promyshlennosti, kafedra biokhimii i mikrobiologii.
(Quince)

MARKH. A.T.; AYZENBERG, V.Ya.

Metatartaric acid as stabilizer of potassium tartrate in
in grape juice. Kons. i ov. prom. 19 no.1:10-14 Ja '64.

(MIRA 17:2)

1. Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy
promyshlennosti (for Markh). 2. Yerevanskiy nauchno-issledovatel'-
skoy institut vinogradarstva, vinodeliya i plodovodstva (for
Ayzenberg).

MARKH, Z.A.

MARKH, A.T.; FEL'DMAN, A.L.; KROTOV, Ye.G.; KAGAN, I.S.; MARKH, Z.A.

Causes of the darkening of pickled pasteurized cabbage and a method of preserving its natural color. Kons.1 ov.prom. 12
no.8:14-16 Ag '57. (MLRA 10:10)

1. Odesskiy tekhnologicheskiy institut pishchevoy i kholodil'noy promyshlennosti (for Markh, Fel'dman, Krotov). 2. Ukrainskiy nauchno-issledovatel'skiy institut konservnoy promyshlennosti (for Kagan; Markh, Z.A.)

(Cabbage--Preservation)

MARKH, A.T., doktor tekhn.nauk, prof.; FEL'DMAN, A.L. kand.tekhn.nauk, dotsent;
KAGAN, I.S.; kand.tekhn.nauk; KROTOV, Ye.G.; kand.tekhn.nauk; MARKH,
Z.A., starshiy nauchnyy sotrudnik; TERTILOVA, A.G., assistant

Factors responsible for the darkening of pickled pasteurized cabbage.
Trudy OTIPIKhF 9 no.2:3-19 '59. (MIRA 13:9)

1. Kafedra biokhimii i mikrobiologii Odesskogo tekhnologicheskogo
instituta pishchevoy i kholodil'noy promyshlennosti i Ukrainskiy
nauchno-issledovatel'skiy institut konservoy promyshlennosti.
(Cabbage)

SHEVCHENBERG, R.V.; MARKH, Z.A.; OL'SHEVSKIY, A.P.; LYUBIMOVA, L.D.

Continuous deaerator of puree feed products for children. Kons. i
ov.prom. 15 no.11:11-13 N '60. (MIRA 13:10)

1. Ukrainskiy nauchno-issledovatel'skiy institut konservnoy pro-
myshlennosti.

(Children--Nutrition)

MARKH, Z.A.; DUBITSKAYA, V.M.

Preservation of lemon juice. Kons.i ov. prom. 16 no.2:15-17 P
'61. (MIRA 14:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut konservnoy promy-
shlennosti.
(Lemon) (Fruit juices--Preservation)

GUSAROVA, Nadezhda Aleksandrovna; KAGAN, Isaak Samoylovich; KAMNEVA, Zoya Petrovna; MARCHUK, Lyubov' Ivanovna; MARKH, Zoya Aleksandrovna; SIZOVA, Aleksandra Grigor'yevna; SOLOV'YEVA, Yevgeniya Ivanovna; STEPANOVA, E.A., inzh., red.izd-va; STARODUB, T.A., tekhn. red.

[Home canning] Domashnee konservirovanie. 4., izpr. 1 dop. izd. Kiev, Gostekhisdat USSR, 1963. 207 p. (MIRA 16:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut konservnoy promyshlennosti.

(Canning and preserving)

MARYKHALEV, S.D.

Doc. 1000, V. 1

8(5)

p. 5

PHASE I BOOK EXPLOITATION

NOV/1986

Moscow. Nauchno-issledovatel'skiy institut postoyannogo toka

Peredacha energii postoyannaya i peremennaya tokom (Power Transmission by Direct and Alternating Current) Moscow, Gosenergoizdat, 1978. 334 p. (Series: Itogi nauki i tekhn., ser. 3) 3,350 copies printed.

Ed.: Piatov, A.M.; Tech. Ed.: Voronchikova, L.V.; Editorial Board: Shchedrin, B.N., Doctor of Technical Sciences, Corresponding Member, USSR Academy of Sciences, Professor (Chief Ed.); Gertel, A.N., Engineer; Tomil'yakov, V.I., Candidate of Technical Sciences; Pimenov, V.P., Candidate of Technical Sciences; Piatov, A.N., Candidate of Technical Sciences; Ponom, A.V., Candidate of Technical Sciences; Shum, L.A., Doctor of Physical and Mathematical Sciences, Professor; Svin, M.N., Engineer; Shchegolev, N.G., Candidate of Technical Sciences.

PREFACE: This collection of articles, issued by the USSR Ministry of Electric Power Stations, is intended for scientists, engineers and designers of high-voltage overhead transmission lines.

Cont 1/23

Shchegolev, N.G. Hot Flashover Voltage Characteristics of Insulators in E-C Transmission Lines

The investigation was carried out at NIIEP by the author on P-7, Stk-35, IES-35, ES-400 and ES-500 type insulators. There are 6 diagrams and drawings and no references.

69

MARKHASOV, B.I.; OKULOV, I.B.; DUGINA, N.A., tekhnicheskiy redaktor

[New methods of depositing stainless steel coatings] Novye metody
naneseniya pokrytii iz nerzhaveiushchei stali. Moskva, Gos. nauch-
no-tekhn. izd-vo mashinostroitel'noi lit-ry, 1954. 33 p. (MLRA 8:7)
(Corrosion and anticorrosives)
(Electroplating)

MARKHASEV, B. I.

USSR/Miscellaneous----machine construction

Card 1/1

Author : Markhasev, B. I., engineer

Title : Electric-arc fusion by electrodes of stainless steel in the manufacture of parts of hydraulic machinery

Periodical : Vest. mash. 34/3, 65-66, Mar/1954

Abstract : Internal parts of turbines and pumps subject to cavitation are made of stainless steel. Sometimes they are of considerable weight. This is costly and the results are not too good. Therefore manufactures started making the parts of ordinary steel and covering them with stainless steel. Type X18H9 stainless steel is easily alloyed with carbon steel containing up to 3 percent C. Heat tests were run. The protecting layer is of Austenite stainless steel and is applied through fusion by electrodes. It is resistant to cavitation and erosion. Tables.

Institution :

Submitted :

MARKHASEV, B.I.

128-53-4-2/18

AUTHORS: Gorshkov, A.A., Corresponding Member of the Ukrainian Academy of Sciences, and Markhasev, B.I., Engineer

TITLE: Bentonites of Ukrainian Deposits (Bentonity ukrainskikh mestorozhdeniy)

PERIODICAL: Liteynoye Proizvodstvo, 1958, No. 4, pp 2-7 (USSR)

ABSTRACT: Bentonite clays are very extensively used in Western Europe and have nearly fully replaced all other clay additives for molding mixes in the USA. However, they have been very little used so far in the USSR because of their scarcity and inaccessibility; in the Oglanlinskoye (Turkmenia) and Askanskoye (Caucasus). About 10 bentonite deposits have been discovered in the Ukraine, the largest being the Cherkassy (Cherkasskoye) deposit in the central Ukraine, south of Kiyev, and the Gorbsk (Gorbskoye) in Zakarpatskaya Oblast', east of Uzhgorod. Both deposits are located near railroads and highways. The first deposit has a 40 m thick layer of clay at a depth of 20 m with an estimated 4.4 billion tons; the second deposit has approximately 16.8 million tons, and its 40 m clay stratum is 7 m below the surface. Both depo-

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Bentonites of Ukrainian Deposits

128-58-4-2/18

sits have railroad sidings. A deposit in Pyatikhatki is also mentioned. The article contains general information on compositions, physical and mechanical properties of bentonite clays, as well as recommendations on the compositions of foundry mixes with bentonite. It was revealed by experiments that, contrary to opinions in Soviet technical literature, bentonite is well suited for dry molding. The trust "Form-razvedka" tested the technological properties of the Gorbsk bentonite in 1951, in Leningrad plants. A special expedition of the Institut mashinovedeniya AN UkrSSR (Institute of Mechanical Engineering of the AS UkrSSR) mined 12 t of bentonite of the Cherkassy deposit. Industrial tests were carried out at the "Bol'shevik", "Leninskaya Kuznitsa" and the Plant of Automatic Machine Tools imeni Gor'kiy (all in Kiev). The technology and the results of these tests are given. The Sovnarkhoz of the Kiev economic region is organizing an open mine and a clay-powder plant at the Cherkassy deposit. The information on the chemical composition and physical properties of the Ukrainian bentonite clays is accompanied by comparisons with bentonites found in the USA. The following persons, apart from the authors, participated in experimental work on

Card 2/3

Bentonites of Ukrainian Deposits

128-58-4-2/18

bentonites: Geologist R. Kh. Slutskaya, Junior Scientific Worker (mladshiy nauchnyy sotrudnik), G.A. Sorokina, the Engineers of Kiyev plants Ye.M. Nosova, D.B. Kugel', V.A. Krepak, V.I. Krasnova, B.K. Gizmayer, A.V. Pines, I.S. Tar-takovskiy, the Technicians A.N. Bysk and Ye.B. Vashkulat. Chemical analyses and pH determinations were performed by A.F. Bessonov. Chief Metallurgist of the Kiyev Sovnarkhoz, G.F. Yakovenko, assisted at the tests.

There are 8 diagrams, 5 tables, and 10 references, 7 of which are Soviet, 1 German, and 2 English.

AVAILABLE: Library of Congress

Card 3/3 1. Geology 2. Bentonite

AUTHOR: Markhasev, B.I. SOV-128-58-10-6/19

TITLE: Colloidity as an Indicator of the Binding Properties of Bentonitic Clays (Kolloidal'nost' kak pokazatel' svyazuyushchikh svoystv bentonitovykh glin)

PERIODICAL: Liteynoye proizvodstvo, 1958, Nr 10, p 10 (USSR)

ABSTRACT: GOST 3226-57 defines the control methods for bentonitic clays by either crushing in the laboratory or colloidity indication by Tumanskiy's method. Colloidity as an indicator of the cohesive properties of bentonites was investigated by the **Corresponding Member** of AS Ukr SSR A.A. Gorshkov assisted by Miss Ye.V. Vashkulet and V.Ye. Denisevich. The chemical composition of 5 Soviet bentonites is tabulated (table 1). Their colloidity is determined by the Tumanskiy method (table 2). The researchers pointed out that GOST 3594-47, in its former version meets the requirements with respect to the binding properties of bentonites better than the modified version of 1957, i.e. the

Card 1/2

SOV-128-58-10-6/19

Colloidity as an Indicator of the Binding Properties of Bentonitic Clays

colloidity does not indicate the quality of a bentonite with respect to binding properties. There are 2 tables, 1 graph and 4 references, 2 of which are Soviet, 1 Czech and 1 German.

1. Clays--Properties 2. Bentonite--Applications 3. Clays
--Binders 4. Clays--Quality control

Card 2/2

GORSHKOV, A.A.; MARKHASEV, B.I.

Using Ukrainian bentonites in founding. Bent.gliny Ukr.
no.3:73-88 '59. (MIRA 12:12)

1. Institut mashinovedeniya AN USSR.
(Ukraine--Bentonite) (Founding)

GORSHKOV, A.A.; MARKHASEV, B.I.

Prospects of using river sand in founding. Lit.proizv. no.2:
2 F '60. (MIRA 13:5)
(Sand, Foundry)

MARKHASEV, B. I.

Cand Tech Sci - (diss) "Study of the effect of small additions of salts, acids, and bases on the binding and anti-crust properties of loams used in casting production." Moscow, 1961. 18 pp with diagrams; (State Committee of the Council of Ministers USSR for Automation and Machine-Building, Central Scientific Research Inst of Technology and Machine-Building "TsNIITMASH", ONTI); 150 copies; price not given; (KL, 7-61 sup, 241)

VISHNEVSKIY, A.S. [Vyshnevs'kiy, A.S.]; MARKHASEV, B.I. [Markhas'ov, B.I.];
LUGOVSKAYA, Ye.S. [Luhovs'ka, E.S.]

Fayalite from the scale formations on iron castings. Dop.
AN URSR no.10:1354-1357 '61. (MIRA 14:11)

1. Institut litaynogo proizvodstva. Predstavleno akademikom
AN USSR N.P.Semenko [Semenko, M.P.].
(Fayalite)
(Iron founding)

MARKHASEV, B.I., LUGOVSKAYA, Ye.S.

Effect of reactions between the metal and the mold on the sand sticking process. Lit. proizv. no.1:25-28 Ja '62. (MIRA 16:8)

(Molding (Founding))

SHLIMAK, A.M.; MARKHASEV, B.I.

Method of X-ray analysis of sand crusts formed on castings.
Zav.lab. 29 no.3:315 '63. (MIRA 14:2)

1. Institut liteynogo proizvodstva AN UkrSSR.
(Cast iron)
(X-ray spectroscopy)

MARKHASEV, B.I.; SEDLETSKIY, I.D.

On some regularities of the melt structure in $\text{MeO} - \text{SiO}_2$
systems. Dokl. AN SSSR 148 no.4:916-918 F '63.

(MIRA 16:4)

1. Predstavleno akademikom N.V. Belovym.
(Metallic oxides) (Silica)

MARKHASEV, B.I. (Kiyev)

Acid and basic properties of calcium and sodium silicate melts.
Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor. delo no.3:67-69 My-Je
'63. (MIRA 16:7)

(Silicates)

MARKHASEV, B.I.

Applicability of crystallochemical constants of cations for the characteristics of the energy properties of compounds. Zhur. strukt.khim. 4 no.6:937-939 N-D '63. (MIRA 17:4)

1. Institut liteynogo proizvodstva AN UkrSSR, Kiyev.

MARKHASEV, B.I.; SEDLETSKIY, I.D.

Energy of the formation of colloid-dispersed minerals. Dokl.
AN SSSR 150 no.4:902-903 Je '63. (MIRA 16:6)

1. Institut liteynogo proizvodstva AN Ukr-SSR. Predstavleno
akademikom P.A. Rebinderom.
(Mineralogy)

MARKHASEV, B.I.; SEDLETSKIY, I.D.

Energy aspect of the absorption and exchange of cations on clays.
Dokl. AN SSSR 150 no.5:1144-1145 Je '63. (MIRA 16:8)

1. Institut liteynogo proizvodstva AN UkrSSR. Predstavleno
akademikom P.A.Rebinderom.
(Cations) (Clay--Testing)

MARKHASEV, B.; SEDLETSKIY, I.D.

Structure of anion complexes in aqueous solutions of sodium silicates.
Dokl. AN SSSR 154 no. 3:604-606 Ja '64. (MIRA 17:5)

1. Institut liteynogo proizvodstva AN UkrSSSR. Predstavleno
akademikom N.V.Belovym.

MARKHASEV, B.I.; SEDLETSKIY, I.D.

Some regularities of structure in the melts of the systems
 $\text{Me}_2\text{O}_3 - \text{SiO}_2$. Dokl. AN SSSR 154 no.5:1125-1127 F'64.

(MIRA 17:2)

1. Institut liteynogo proizvodstva AN UkrSSR. Predstavleno
akademikom N.V. Belovym.

ACCESSION NO. 41

AUTHOR: Markhary, D. I.

TITLE: The structure of molten silicates

SOURCE: Zhurnal

TOPIC TAGS: molten silicate structure, coordination number, silicate liquidus curve,
oscillation

~~molten silicate stratification, crystal structure, coordination ratio, calcium silicate~~

ABSTRACT: This discussion of the structure of molten silicate is based on previously

published material

on the quartz, mica

and the specific features

of the structure of the

higher degree of the

with various degrees

of a stratified zone in

found in in silicates of various degrees of complexity of the

of the first group in the

Card 1/2

L 35982-65

ACCESSION NR: AP5007758

of the coordination ratio in molten silicates. The basic tetrahedral structural unit is

ASSOCIATION: Institut problem lit'ya AN Ukr SSR (Institute of Casting Problems,
AN, Ukr SSR)

SUBMITTED: 13Nov69

ENCL. 00

SUB CODE. IC, 36

NO REF SOV 001

Card 2/2

MARKHASEV, B.I. (Kiyev); SIDLETSKIY, O.G. (Kiyev)

Connection between electronegative characteristics and the
thermodynamic activity of components in iron-base melts.

Izv. AN SSSR. Met. no.1:68-70 Ja-F '65.

(MIRA 18:5)

DORISOV, G.P.; MARKHASEV, B.I.

Effect of water glass additives on the properties of sand and
clay mixtures. Lit. preizv. no. 344.45 Mr '65.

(MLRA 18:6

MARKHASEV, B.I.

Structure of molten silicates. Zhur. strukt. khim. 6
no. 3:83-87 Ja-F '65. (MIRA 18:12)

1. Institut problem lit'ya AN UkrSSR. Submitted November
13, 1963.

MARKHASEV, B.I.

Evaluation of the acid-base properties of oxides. Dokl. AN SSSR
162 no.3:667-670 My '65. (MIRA 18:5)

1. Institut problem lit'ya AN UkrSSR. Submitted July 10, 1964.

MARKHASEV, B.I.

Points of inflexion on the liquidus curves. Zhur. fiz. khim.
39 no. 1:189 Ja '65 (MIRA 19:1)

1. Institut liteynogo proizvodstva AN UkrSSR. Submitted
December 27, 1963.

L 21142-66 EWT(m)/ETC(f)/EWG(m)/T/ETP(t) IJP(c) DS/JD
 ACC NR: AP6003500 (A) SOURCE CODE: UR/0364/56/002/001/0103/0106

AUTHOR: Markhasev, B. I.; Mulik, A. A.

ORG: Institute of Casting Problems, Academy of Sciences UkrSSR, Kiev (Institut problem lit'ya Akademii nauk UkrSSR)

TITLE: Effect of the activity of oxygen ions on high-temperature reactions of solid oxides 1

SOURCE: Elektrokhimiya, v. 2, no. 1, 1966, 103-106

TOPIC TAGS: oxide, electrochemistry, diffusion coefficient, oxygen thermodynamic process, thermal emf

ABSTRACT: In order to elucidate the nature of high temperature reactions between solid oxides, diffusion potentials during their contact were measured. An electrolytic cell consisting of outer oxide pressed and sintered at 1400°C into which a Pt wire contact was embedded and the inner oxide was pressed into the outer sintered oxide sheet was used. The cell was placed into a gas flow furnace at 1300°C and emf was measured for 4 hours. The following systems were studied: SiO₂-CaO; SiO₂-MgO; SiO₂-FeO; SiO₂-Al₂O₃; SiO₂-ZrO₂; SiO₂-TiO₂; TiO₂-MgO; TiO₂-ZrO₂; ZrO₂-MgO;

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UDC: 541.135.4

L 21142-66

ACC NR: AP6003500

Fe_2O_3 -MgO and CaO-MgO. The first component in each system was anolyte and the second component was catholyte. In all cases (except the CaO-MgO system) the anode of the galvanic cell is the Pt electrode in contact with the substance in which the thermodynamic activity of oxygen is lower. In the majority of cases, emf decreases with time. However, in a number of cases, regular changes of emf with time were not observed (CaO-SiO₂; TiO₂-ZrO₂); in MgO-Fe₂O₃ and CaO-MgO systems, an increase in the diffusion potential was observed. In general, an increase in emf followed an increase in the activity of oxygen in the contacting oxides. Deviations from this behavior are apparently associated with the nature of conductivity in the corresponding systems. A number of anomalies was observed in systems containing MgO: inverse polarity of the CaO-MgO cell, an increase in emf in Fe₂O₃-MgO and CaO-MgO systems and instability in emf. During increase of the activity of O²⁻ ions in oxides, the magnitude of diffusion potential decreases, the contribution of non-Wagnerian scheme to the reaction product formation mechanism decreases and the intensity of the interaction is sharply decreased. Orig. art. has: 2 figures, 1 table.

SUB CODE: 11/

SUBM DATE: 03Apr65/

ORIG REF: 002/

OTH REF: 003

Card 2/2 ULR

L 41620-66 EWT(m)/T/EWP(e)/EWP(t)/ETI LIP(c) AT/VH/WW/JW/JG/YD/WR
 ACC NR: AP6013356 SOURCE CODE: UR/0370/66/000/002/0053/0057

AUTHOR: Fiksen, N. V. (Deceased; Kiev); Markhasev, B. I. (Kiev); Sidletskiy, O. G. (Kiev)

ORG: none

TITLE: Study of oxide ²¹ scabs ²¹ in iron-chromium ²¹ melts ¹⁵ B²E

SOURCE: AN SSSR. Izvestiya. Metally, no. 2, 1966, 53-57

TOPIC TAGS: iron alloy, chromium alloy, metal scaling, oxide formation

ABSTRACT: The composition and structure of oxide scabs formed on the surface of Fe-Cr alloys in air at 1550°C were studied by chemical, petrographic, and x-ray analyses. The observed constant magnetite content with changing chromium content indicates that the formation of magnetite does not obey the usual laws of irreversible thermodynamics. The formation of magnetite in this case is thought to be due to a predominant diffusion of iron through a solid scab consisting mainly of chromium oxides. The formation of the remaining part of the film occurs in conformity with thermodynamic laws. The phase composition may be described as follows:

- I - up to 4% Cr - two-phase region - $\text{FeFe}_2\text{O}_4 + \text{FeCr}_2\text{O}_4$;
- II - from 4 to 9% Cr - three-phase region - $\text{FeFe}_2\text{O}_4 + (\text{Fe, Cr})\text{Cr}_2\text{O}_4 + \text{Cr}_2\text{O}_3$;
- III - above 9% Cr - two-phase region - $(\text{Fe, Cr})\text{Cr}_2\text{O}_4 + \text{Cr}_2\text{O}_3$.

Cord 1/2

UDC: 669.017.12

L 41620-66

ACC NR: AP6013356

Formulas are given which relate the phase composition of the scabs with the chromium content of the metal. Orig. art. has: 2 figures, 3 tables, and 3 formulas.

SUB CODE: 11/ SUM DATE: 03Jul64/ ORIG REF: 006/ OTH REF: 007

Cord 2/2 hs

MARKHASEV, G.

Number of sums of a certain type of determinants of the n -th order.
Trudy Mat. inst. AN Gruz. SSR 29:383-388 '63.

(MIRA 17:12)

MARKHASEV, G.M., inzh.

Standardised blueprints of systems and pipelines used in
repairing standardised ships. Sudostroenie 24 no.5:44-45 My '58.
(MIRA 11:6)

(Blueprints) (Ships--Maintenance and repair)

MARFHADEV, G.M., inzh.

Tank gauging. Sudostroenie 28 no.3:53-54 Mr '62. (MIRA 15:4)
(Gauging)

MARKHASEV, G. S.

Two semi-infinite media with plane

Two semi-infinite media are assumed to be in welded :

namely,

$$\sigma_0(r, z, t) = \begin{cases} 1 - \pi_1^2 (r^2 + z_0^2)^{-1/2} & \text{for } r^2 + z_0^2 \leq a_1^2 t^2 \\ 0 & \text{for } r^2 + z_0^2 > a_1^2 t^2 \end{cases}$$

wave fronts coincide with those of Gagnard.

Name: MARKHASEV, G. S.

Dissertation: Head waves in elastic media with a flat boundary

Degree: Cand Phys-Math Sci

Defended at
~~Apprentice~~ Acad Sci Georgian SSR, Tiflis Mathematics Inst imeni A. M. Razmadze

Publication
Defense Date, Place: 1956, Tiflis

Source: Knizhnaya Letopis', No 51, 1956

~~MARCHASEV, G.~~ MARKHASEV, G.

SUBJECT USSR/MATHEMATICS/Differential equations CARD 1/2 PG - 682
 AUTHOR MARKHASEV G.
 TITLE On a boundary value problem for the equation $\frac{\partial}{\partial x} \Delta u = 0$.
 PERIODICAL Doklady Akad.Nauk 110, 926-928 (1956)
 reviewed 4/1957

Hadamard has shown that every solution u of the equation $\frac{\partial}{\partial x} \Delta u$ can be represented as a sum of a harmonic function v and a solution w of $\frac{\partial w}{\partial x} = 0$.

Seeking a solution being regular in the unit circle $x^2 + y^2 \leq 1$ which on the circular periphery γ assumes the values $f_1(\vartheta)$ and on the vertical cross section $-1 \leq y \leq 1$ assumes the values $f_2(y)$, then for the determination of

$v|_{\gamma} = \mu(\vartheta)$ one obtains the integral equation

$$(1) \quad \mu(\vartheta) = \frac{1}{2\pi} \int_{-\pi}^{+\pi} \mu(\psi) \frac{1 - \xi_{\vartheta}^2}{1 + \xi_{\vartheta}^2 - 2\xi_{\vartheta} \sin \psi} d\psi + F(\vartheta)$$

$$\xi_{\vartheta} = \sin \vartheta, \quad F(\vartheta) = f_1(\vartheta) - f_2(\sin \vartheta).$$

The author constructs an explicit solution of (1) and obtains

Doklady Akad.Nauk 110, 926-928 (1956)

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PG - 682

$$\mu(y) = P(y) + \frac{1}{2\pi} \sum_{p,q=0, p \leq q}^{\infty} \gamma^{pq} T_p(y) \int_{-1}^1 T_q(\eta) \frac{P(\eta) d\eta}{\sqrt{1-\eta^2}},$$

where $y = \sin \theta$, $\eta = \sin \psi$, $T_p(y)$ is the p -th Chebyshev polynomial and the constants γ^{pq} are obtained from a triangular system.

YEFREMOVICH, V.A. (Moskva); LEVIN, V.I. (Moskva); MARKHASEV, G. (Klyaz'ma);
ONOFRASH, Ye. [Onofras, E.] (Yassy, Rumyniya); RYBAKOV, L.M. (Yaroslavl');
ZACHUSKIN, V.L. (Yaroslavl')

Brief notes. Mat. pros. no. 6s255-265 '61. (MIRA 15:3)
(Mathematics—Problems, exercises, etc.)

MARKHASEV, M. G.

PA 28/49T91

USSR/Medicine - Water, Supply
Medicine - Hygiene and Sanitation

Sep 48

"Review of the Book, 'Hygiene on Ships' by M. G. Markhasev, V. V. Solov'yev, L. M. Starokadomskiy, et al," D. Shmal', 1 p

"Gig i San" No 9

States that book is most valuable but claims that some important problems are overlooked: hygienic evaluation of various types of passenger boats, recommending methods for treatment of drinking water, especially filters used on river craft, equipment of sanitation cabins, etc. Correction of these inaccuracies is desirable in author's next book.

28/49T91

MARKHASEV, M. G. i ZHUCHKOVA, A. D.

20065 MARKHASEV, M. G. i SHUCHKOVA, A. D. Vliyaniye na organiyeom uskoreniya
dvizheniya vozdukha pod odezhdooy. Gigiyena i sanitariya, 1949, No. 6, s. 16-23.

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949.

Mark Khasey
KRIZHANSKIY, Zakhariy Pavlovich; MARKHASEV, Mikhail Grigor'evich;
BARKOV, G.D., red.; SUSHKOV, B.B., red.; VAIL', T.I., red. izd-va;
BEGICHEVA, M.E., tekhn. red.

[Safety engineering and industrial sanitation during cleaning
operations on oil tankers] Tekhnika bezopasnosti i promsanitariia
pri zashistnykh rabotakh na sudakh neftenalivnogo vlota. Moskva,
Izd-vo "Morskoi transport," 1957. 78 p. (MIRA 11:1)
(Tank vessels--Cleaning)

MARKHASEV, M.G., kand.tekhn.nauk

Concentration of hydrocarbon fumes in tanker quarters. Rech. transp.
17 no.4:9-10 Ap '57. (MIRA 11:4)
(Tank vessels) (Hydrocarbons)

Published by ...
SULTANOV, S.A.; MARDANOV, M.A.; VELIYEV, K.G.; MARKHASOVA, S.M.

Oxidation of isopropylene benzene obtained in the presence of
aluminosilicate catalysts [in Azerbaijani with summary in Russian],
Azerb.neft.khoz. 36 no.7:34-36 Je '57. (MIRA 10:10)
(Oxidation) (Benzene) (Aluminosilicates)

MARDANOV, M.A.; MARKHASEVA, S.M.; BIZYAYEVA, N.P.

Determination of the thermal stability of fuel fractions by
means of ultraviolet radiation. Azerb. khim.zhur. no.4:27-31
'59. (MIRA 14:9)
(Fuel—Thermal properties)

MARDANOV, M.A.; KULIYEV, R.Sh.; MARKHASEVA, S.M.; VELIYEV, K.G.;
ALEKPEROVA, N.G.

Study of fuel fractions obtained in the hydrofining of oil
fractions. Azerb. ~~Min.~~ zhur. no.4:11-16 '60. (MIRA 14:8)
(Petroleum--Refining) (Petroleum as fuel)

MARDANOV, M.A.; MARKHASEVA, S.M.; VELIYEV, K.G.; GOQEL'GANS, R.G.;
BIZYAYEVA, N.P.

Fire and explosion hazards of certain aliphatic nitro compounds.
Azerb.khim.zhur. no.1:5-10 '61. (MIRA 14:8)
(Nitro compounds) (Fire prevention)

34889

S/021/62/000/003/069/090
B149/B101

11.0120

AUTHORS: Mardanov, M. A., Murkhasova, S. M., Samedova, S. G.

TITLE: Separation of aromatic hydrocarbons from petroleum fractions by selective solvents

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 3, 1962, 488, abstract 3M178 (Azerb. khim. zh., no. 3, 1961, 25 - 31)

TEXT: Fuel fractions of the heavy Baku petroleum were dearomatized in a laboratory unit. Phenol with addition of 3% water was used as a selective solvent. The temperature during the experiment was 30°C. The optimum ratio of the phenol/fuel fraction was 2.5:1. It was shown that phenol removed 69 - 99.0% of the aromatic hydrocarbons from the fuel fractions, but it also removed the naphthene hydrocarbons. The separated aromatic hydrocarbons consist not only of light but also of medium and heavy hydrocarbons, which after catalytic conversion into lowmolecular compounds, may be used as raw chemicals. The dearomatized fractions are high-grade fuels for internal combustion engines. [Abstracter's note: Complete translation.]

Card 1/1

MARDANOV, M.A.; MARKHASEVA, S.M.; SAMEDOVA, S.G.

Separation of aromatic hydrocarbons from middle oil fractions
by means of furfurole. Azerb.khim.shur. no.5:3-8 '61.
(MIRA 15:5)

(Hydrocarbons) (Furaldehyde)

S/081/62/000/024/005/052
B108/B186

AUTHORS: Mardanov, M. A., Kuliyeu, R. Sh., Markhaseva, S. M.,
Sadykhova, B. A., Alekperova, N. G.

TITLE: Study of the oil and fuel fractions obtained by hydrogenation
of diesel-oil distillates and raffinates

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 718, abstract
24M162 (Azerb. khim. zh., no. 2, 1962, 25 - 30 [summary in
Azerb.])

TEXT: For the purpose of producing high-quality motor oils, diesel fuels,
kerosene and gasoline fractions, the distillate of A-11 (D-11) diesel oil
was subjected to deep hydrogenation over a WS_2 catalyst, and the raffinate
of the same oil over a WS_2 and an Al-Co-Mo catalyst. It is shown that light
motor oils with a viscosity index of the order of 85 - 90 can be produced
from the hydrogenates obtained. The best of these is the oil produced by
hydrogenation over WS_2 . The gasoline fractions extracted from the
hydrogenates contain a considerable quantity of paraffinic hydrocarbons (up
Card 1/2

Study of the oil and fuel...

S/081/62/000/024/005/052
B108/B186

to 50%) and are marked by their low octane rating (35 - 37); this does not depend on the raw material and the catalysts used. Kerosene fractions of good quality were produced by hydrogenizing diesel fuel raffinates over WS_2 .

The diesel fuels thus obtained meet all requirements demanded of winter fuels. As regards their cetane rating, they are far superior to the winter diesel fuels refined from Baku crude oil. [Abstracter's note: Complete translation.]

Card 2/2

MARKHASEVA, S.M.; MARDANOV, M.A.; VELIEYEV, K.G.; BIZYAYEVA, N.P.

Nitration of the fraction of propylene tetramers by nitric
acid. Azerb. khim. zhur. no.3:19-26 '62. (MIRA 16:12)

L 62780-65 EWT(m)/EPF(c)/T Pr-4 WE/JAJ/RM

ACCESSION NR: AF5013766

UR/0316/65/000/001/0003/0008 24

AUTHOR: Mardenov, M. A.; Veliyev, K. G.; Markhaseva, S. M.; Samedova, S. G.

TITLE: Synthesis and use of alkyl aromatic hydroperoxides as additives for improving the motor properties of diesel fuels

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 1, 1965, 3-8

TOPIC TAGS: isopropylbenzene hydroperoxide, diisopropylbenzene hydroperoxide, triisopropylbenzene hydroperoxide, polyalkylbenzene hydroperoxide, metaisopropyltoluene hydroperoxide, isopropylxylene hydroperoxide, cetane number, diesel fuel motor property, alkyl aromatic hydroperoxide, additive, synthesis

ABSTRACT: The effect of the number of methyl and isopropyl groups in alkyl aromatic hydrocarbons on the oxidation efficiency, as well as the effect of hydroperoxides produced by the oxidation of these hydrocarbons on the motor properties of diesel fuels has been studied. Hydroperoxides of diisopropylbenzyl, triisopropylbenzyl, technical polyalkylbenzene, metaisopropyltoluene, and isopropylxylene were examined for their effect on the oxidation of alkyl aromatic hydrocarbons with atmospheric oxygen. The experimental results given in table 1 of the

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L 62780-65

ACCESSION NR: AP5013766

Enclosure, show that: 1) an increase in the number of methyl and isopropyl groups in an alkylbenzene molecule considerably prolongs the oxidation process; 2) hydroperoxides of triisopropylbenzene and isopropylbenzene with three alkyl groups in the molecule are ineffective and cannot be used as additives for improving the motor properties of diesel fuels.

cannot be used as additives for improving the motor properties of ~~aluminum~~ ~~aluminum~~ ~~aluminum~~
Orig. art. has: 5 tables.

ASSOCIATION: none

SUBMITTED: 22 May 64

ENCL: 01

SUB CODE: GC

NO REF SOV: 003

OTHER: 001

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L 62780-65

ACCESSION NR: AP5013766

ENCLOSURE: 01 0

Table 1. Experimental results

Hydroperoxides of

Quantity of
additive, %
wt. %

Cetane numbers of diesel
fuels with additives

Summer diesel oil Winter diesel oil
with cetane with cetane
number of 40 number of 40

Isopropylbenzene	0.5	49.0	45.7
	1.0	51.0	49.1
	1.5	52.0	47.9
Di-isopropylbenzene	0.5	49.3	46.0
	1.0	51.6	48.0
	1.5	52.6	48.7
Triisopropylbenzene	0.5	—	—
	1.0	—	44.6
	1.5	49.4	45.8
Cumyl hydroperoxide benzene	0.5	—	—
	1.0	—	—
	1.5	—	—
Metaisopropyltoluene	0.5	49.6	47.0
	1.0	51.0	48.5
	1.5	52.3	49.3
Isopropylxylene	0.5	—	—
	1.0	—	—
	1.5	48.5	46.5

Card 3/3

USPENSKIY, F.M., kand.biolog.nauk; IBRAGIMOV, G.R.; PERESYPKIN, V.F., doktor biolog.nauk; MARKHASEVA, V.A., kand.sel'skokhoz.nauk

Responses to our articles. Zashch. rast. ot vred. i bol. 6 no.9:
13-14 S '61. (MIRA 16:5)

1. Usbekskiy institut zashchity rasteniy, g. Tashkent (for Uspenskiy).
 2. Direktor Azerbaydzhanskogo instituta zashchity rasteniy, g. Kirovabad (for Ibragimov).
 3. Ukrainskiy institut zashchity rasteniy, Kiyev (for Peresypkin, Markhaseva).
- (Plants, Protection of)

MARKHASEVA, Vera Aronovna.

[Helminthosporiasis in wheat and methods of controlling it]
Chornyi zarodok pshehytsi ta sakhody borot'by z nym. Kyiv,
Akademiia nauk Ukrainiskoi RSR, 1957. 79 p. (MIRA 11:1)
(Wheat--Diseases and pests)

MARKHASEVA, Z.V.

Cretaceous spore-pollen complexes in the Kabakly region of
eastern Turkmenia. Izv. AN Turk. SSR. Ser. fiz.-tekhn. khim.
i geol. nauk no.3:82-88 '65. (MIRA 18:12)

1. Institut geologii Gosudarstvennogo geologicheskogo komiteta
SSSR. Submitted Sept. 19, 1964.

MARKHASEVA, Z.V.

Stratigraphic significance of Striatiporites and Brachhyphyllum.
Izv. AN Turk.SSR.Ser.fiz.-tekh., khim. i geol.nauk no.5:98-104
'65. (MIRA 18:11)

MARK HASHOV, A.M.

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001032410019-0

calibration curves

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001032410019-0"

MARKHASHOV, A.M.

Differences in arterial blood supply of the spina. Vest. khir. 94
no.1:64-74 Ja '65. (MIRA 18:7)

1. Iz kafedry operativnoy khirurgii (zav. - dotsent I.I.Kagan,
nauchnyy rukovoditel' -- prof. S.S.Mikhaylov) Orenburgskogo
meditsinskogo instituta.

67594

SOV/179-59-5-14/41

1.1000
AUTHOR:

Markhashov, L.M. (Moscow)

TITLE:

On the Stability of Gyroscope Motion with Gimbal Suspension

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Mekhanika i mashinostroyeniye, 1959, Nr 5, pp 79-83 (USSR)

ABSTRACT:

The motion of a gyroscope with double gimbal suspension is considered where the outer gimbal has a vertical axis. The conditions of regular precession and continuous rotation have been examined in detail, together with the stability of this motion. Reference is made to papers by Magnus, Rumyantsev and Chetayev (Ref 1, 2 and 3). If the motion of the gyroscope is stable, the Chetayev method permits the evaluation of the maximum variation of the angle of nutation in the course of motion as a function of the disturbances of the motion. This evaluation is obtained by solving a certain system of inequalities. The present paper presents a method by which this evaluation can be obtained with any desired accuracy. The problem is reduced to the study of the distribution and evaluation of the roots of a polynomial

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On the Stability of Gyroscope Motion with Gimbal Suspension
SOV/179-59-5-14/41
(1.1) of the third order with constant coefficients.
There are 4 Soviet references.

SUBMITTED: May 8, 1959

Card 2/2

MARKHASHOV, L. M.

Cand Phys-Math Sci - (diss) "Several particular problems of the stability of motion in the first approximation." Moscow, 1961. 5 pp; (Inst of Mechanics of the Academy of Sciences USSR); 150 copies; price not given; (KL, 6-61 sup, 194)